

Claims as Amended by Previously Filed Preliminary Amendment

This listing of claims reproduces the Claims as amended by the Preliminary Amendment filed by the Applicants on September 14, 2005. No claims are currently amended with this Reply.

Listing of Claims:

1. (Previously Presented) A land vehicle having a material handling apparatus, comprising:
 - a support structure coupled to a plurality of weight bearing elements;
 - a cab coupled to the support structure;
 - a riser having a first telescopic actuator, the riser coupled to the support structure;
 - a boom having a second telescopic actuator, the boom coupled to the riser;
 - a jib having a third telescopic actuator, the jib coupled to the boom;
 - a hook coupled to the jib;
 - a first hydraulic actuator coupled to the support structure and the riser;
 - a second hydraulic actuator coupled to the riser and the boom;
 - a third hydraulic actuator coupled to the boom and the jib;
 - a control apparatus coupled to the actuators and operable to move the riser, the boom, and the jib in a telescoping mode and an articulating mode to manipulate material coupled to the hook.
2. (Previously Presented) The land vehicle of claim 1, including a rotation assembly coupled to the support structure and the riser portion, the rotation assembly operable to rotate the riser at least 360 degrees.
3. (Previously Presented) The land vehicle of claim 1, wherein the weight bearing elements comprise wheels.

4. (Previously Presented) The land vehicle of claim 1, wherein the control apparatus is operable from the cab.

5. (Previously Presented) The land vehicle of claim 1, wherein the riser is movably coupled to the support structure for translation along the support structure.

6. (Previously Presented) The land vehicle of claim 1, including a fourth hydraulic actuator coupled to the jib and the hook and operable to articulate the hook.

7. (Previously Presented) The land vehicle of Claim 1, wherein the telescopic actuators are selected from a group including a hydraulic machine, a pneumatic machine, and an electric motor.

8. (Previously Presented) The land vehicle of claim 1, wherein the control apparatus is operable at a location remote from the cab.

9. (Previously Presented) The land vehicle of claim 1, including an outrigger assembly coupled to the support structure.

10. (Previously Presented) A land vehicle comprising:
a support structure coupled to a weight bearing element; and
a material handling apparatus coupled to the support structure, the material handling apparatus comprising:
a telescopic riser coupled to the support structure for translation and rotation relative to the support structure;
a telescopic boom coupled to the riser;
a telescopic jib coupled to the boom;
a hook coupled to the jib; and
a control apparatus coupled to the riser, the boom, and the jib, the control apparatus operable to translate and rotate the riser relative to the support structure and to move the riser and the boom and the jib in a telescopic mode and a pivoting mode to manipulate material.
11. (Previously Presented) The land vehicle of claim 10, including a rotation assembly coupled to the support structure and the riser, the rotation assembly rotatable at least 360 degrees.
12. (Previously Presented) The land vehicle of claim 10, including a first actuator coupled to the riser and support structure.
13. (Previously Presented) The land vehicle of claim 12, including a second actuator coupled to the boom and the riser.
14. (Previously Presented) The land vehicle of claim 13, including a third actuator coupled to the jib and the boom.
15. (Previously Presented) The land vehicle of claim 14, wherein the actuators comprise an apparatus selected from a group including a hydraulic machine, a pneumatic machine, and an electric motor.

16. (Previously Presented) The land vehicle of claim 10, wherein the control apparatus is mounted on the support structure.

17. (Previously Presented) The land vehicle of claim 10, including an outrigger assembly coupled to the support structure.

18. (Previously Presented) The land vehicle of claim 10, wherein the support structure is configured as one of a truck and a trailer.

19. (Previously Presented) The land vehicle of claim 18, wherein the weight bearing element comprises at least one wheel.